

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
STUDY PLAN**

Study ID code	CAPMC-P-0215-CR	
Title	Evaluation of Achnatherum occidentals and speciosa	
National Project No.	Natural Areas 1.1	
Study Type	IEP	
Study status	Active	
Location	CAPMC	
Study Leader	David Dyer, CAPMC	
Duration	2002 - 2005	
Cooperators	California Crop Improvement Association	
Land Use	Rangeland, wildland	
Vegetative Practices	Primary	342 Critical area planting
	Secondary	550 Range planting
Resource concerns	<u>Resource</u>	<u>Consideration/Problem</u>
	Soil	Restoration, soil erosion
	Animals	Grazing land conservation
Long Range Plan	Study falls under Section IV, Part 1 of the CA PM LRP	
Description	Achnatherum occidentals and speciosa will be tested for performance at the Lockeford PMC and a selected release developed.	
Status of Knowledge	Improved plant materials do not exist for these species and it is noted by field staff that these species would work well in a number of conservation practices.	
Experimental Design	Randomized Complete Block Design	
Treatment 1	Title: IEP Description: propagate plugs of both species and plant 10 plugs of each accession in each plot.	
Materials and Methods	Samples of seed assembled from PMC collections. Seed will be assembled in 2001. Row spacing will be 30 inches, plant 10 plugs of each accession in each plot, replicate	

three times. The design will be a Randomized Complete Block, RCB.

Final Evaluations

Selected class, no additional testing planed at this time, except for field plantings.

Technology Transfer Products

Revise FOTG standards, selected release

Literature Cited

There is a need for an adapted selection of Western and desert needlegrass for use throughout parts of the North East California for restoration and revegetation use. Western neeldlegrass provides good protection from soil erosion and can be used for forage.

Keywords

Selected species, restoration, rangeland, native grass

**Review by:
Approvals:**

CA. State Plant Materials Committee
As per approval of CAPMC Business Plan